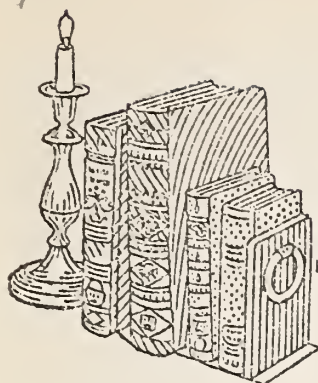


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NEW BOOKS

AMERICAN WILDLIFE & PLANTS; A GUIDE TO WILDLIFE FOOD HABITS: THE USE OF TREES, SHRUBS, WEEDS AND HERBS BY BIRDS AND MAMMALS OF THE UNITED STATES, By A. C. Martin, H. S. Zim, and A. L. Nelson. McGraw-Hill, 1951. 500 p. 60 M36

This book supplies a long-felt need for a comprehensive reference on wildlife food habits. Arranged for easy reference is information on hundreds of birds, mammals, and wildlife plants, on wildlife food habits in different seasons and regions, and on the relative importance of various plants to birds and mammals. Related notes on range, habitat, and distinctive traits are included. The book brings together the accumulated data on food habit studies made by the U. S. Fish and Wildlife Service since 1885.

THE ART OF ADMINISTRATION, By Ordway Tead. McGraw-Hill, 1951. 223 p. 249 T22A

The what, why and how of administrative work in relation to leadership, personal power, authority, and coordination in top management. Among the topics covered are the fundamental aims and purposes which every large organization is designed to serve; administration's part in democratic leadership; the educational function of administration; the personal aspects of administration which are effective in achieving collective cooperation and coordination. The book will be of practical value to executives, administrators, public officials - to everyone in a position of leadership.

THE CONSERVATION OF GROUND WATER; A SURVEY OF THE PRESENT GROUND-WATER SITUATION IN THE UNITED STATES, By H. E. Thomas. McGraw-Hill, 1951. 327 p. 292 T36

Here are the results of a survey bringing together and analyzing all the available information on the development and use of ground-water throughout the United States. The book reviews basic hydrologic principles and data, and supplies in outline and inventory of our total water resources. It describes the experience with ground-water development in 70 odd problem areas and the measures for each area which improve the situation. Hydrologists, geologists, engineers, and others concerned with the problems of ground-water supply will find this an authoritative discussion of the natural and legal factors connected with ground-water development and use.

FORAGES; THE SCIENCE OF GRASSLAND AGRICULTURE, edited by H. D. Hughes, M. E. Heath and D. S. Metcalfe. Iowa State College Press, 1951. 724 p. 60 H87

Farmers, agronomists, research workers will find in this book complete and authoritative answers to the problems of how to grow more and better forages and how to make pastures and meadows more productive. The how-to-do-it information is backed up by field-tested experience and by the research men who have devoted their lives to grassland agriculture. The soils and forages of each agricultural area in the U. S. are discussed by men living and working in these areas.

FORESTS AND MEN By W. B. Greeley. Doubleday, 1951. 255 p. 99.04 G81

This is a well-written account of the knowledge and experience of U. S. Forester Greeley in the long fight from 1910 to date for enlightened use of our timber resources. The book opens with a personal description of the fierce, dramatic 1910 forest fire in the Bitterroots, but most of the volume is devoted to the history of lumbering, picturesque lumbering methods, development of organized resistance to misuse of timber, and present-day conservation and lumber technological advances.

HOW TO WRITE A SPEECH, By E. J. Hegarty. McGraw-Hill, 1951. 222 p. 200.4 H36

A "how-to" book on the planning, writing, and delivery of a speech. The author suggests an over-all plan of procedure, beginning with the writing of a synopsis of the speech and making a layout on paper. A detailed check list provides a handy means of catching errors and omissions. Mr. Hegarty believes that by following a simple formula anyone who can talk can make an effective speech. This book contains that formula.

IRRIGATION ENGINEERING. Vol. 1 AGRICULTURAL AND HYDROLOGICAL PHASES, By I. E. Houk. Wiley, 1951. 945 p.

A detailed picture of irrigation principles with emphasis on engineering aspects. Special attention is given to advances made during the last few years on such subjects as soil moisture, wilting conditions, snow surveys, runoff forecasting, return flow, drainage recoveries, use of water by crops, consumptive use on large areas, irrigation efficiencies, quality of water, boron contents, salt constituents, erosion during irrigation, sprinkling irrigation, and other improved methods of applying water.

ROCKY MOUNTAIN HORTICULTURE IS DIFFERENT; HOW TO MODIFY OUR CLIMATE TO FIT THE PLANTS AND HOW TO SELECT PLANTS TO FIT OUR CLIMATE, By G. W. Kelly. Green Thumb Council, 1951. 160 p. 90.3 K29

Written primarily to serve the gardeners of the Rocky Mountain region much of the material contained in this little book is applicable to the entire Southwest. It deals with planting, insects, diseases of plants, pruning, landscape design, flower lists suitable for various purposes and similar topics.

WESTERN WEED CONFERENCE. PROCEEDINGS OF THE TWELFTH ANNUAL MEETING. Denver, Colo., January 30, 31 and February 1, 1950. 149 p. 79.9 W52.

Thirty papers on the weed problems of the West.

PACKETS

In response to requests from our readers, packets on ANIMAL HUSBANDRY, CONSERVATION FARMING, ENTOMOLOGY, PUBLIC RELATIONS and WOOD PRESERVATION are being circulated. These are in addition to the subjects announced in the Sept.-Oct. 1951 Newsletter. Let us know if you wish to receive packets on these subjects regularly.

The new packet service was described in the Sept.-Oct. 1951 Library Newsletter. If you failed to receive that number write us for a copy.

The contents of the first packets on the subjects noted above are:

ANIMAL HUSBANDRY

Artificial breeding of dairy cattle. Wash. State Col. Ext. Bul. 331
Control livestock pests for greater profits. N. Dak. Agr. Col. Ext. C. A-153
Control of hog lice. U.S.D.A. Leaflet No. 316
Control of lice and sheep ticks on sheep and goats. U.S.D.A. Leaflet No. 308
Crossbreeding beef cattle; a comparison of the Hereford and Aberdeen Angus breeds and their reciprocal crosses. Ohio Agr. Exp. Sta. Res. Bul. 703
Livestock breeding research of the U. S. Range Livestock Experiment Station. U.S.D.A. Agr. Infor. Bul. No. 18

CONSERVATION FARMING

A blade drill for seeding trashy fallow. Mont. Exp. Sta. Circ. 194
Community gains from conservation farming. U.S.D.A. P.A. 146
Diversion terraces. N. Y. Agr. Col. Cornell Ext. Bul. 808
Effect of tillage method on soil and moisture conservation in the plains area of northern Montana. Mont. Exp. Sta. Bul. 468
Sericea in conservation farming. U.S.D.A. Farmers' Bul. 2033

ENTOMOLOGY

Application of concentrated spray with hand equipment. U.S. Bur. of Ent. & Plant Quar. E-824
DDT for control of wireworms in irrigated lands. U.S. Bur. of Ent. & Plant Quar. EC-19
Field-plot tests of insecticides against the Egyptian alfalfa weevil on alfalfa in Southern Arizona, 1950. U.S. Bur. of Ent. & Plant Quar. E-825
Fruit pests . . . their control in Colorado. Colo. Ext. Bul. 416-A
The pine tip moth - how to recognize and control it. Okla. Agr. Exp. Sta. Bul. No. B-377
The western pine beetle. U.S.D.A. Circ. No. 864

PUBLIC RELATIONS

After all, it's the way you serve people. U.S. Ext. Serv. 1.913 I2Af8
Effective communication in industry. Natl. Assn. of Man. U.B. Train.
Ways and means of improving employer-employee understanding and cooperation. Getting your ideas across through writing. U.S. Fed. Sec. Agency. Training Manual No. 7. U.B. Train.
How are we doing in public relations. U.S. Ext. Serv. U.B. Train.
Lettering for extension visual aids. U.S.D.A. Agr. Handbk No. 22. 1 Ag84Ah
News writing. Okla. Ext. Serv. Circ. 559

WOOD PRESERVATION

Before you build your barn. Dow Chemical Co.
Cold-soak wood preservation - simple, effective, inexpensive. Idaho Ext. Bul. 187

WOOD PRESERVATION (Cont'd)

Comparative decay resistance of heartwood of different native species when used under conditions that favor decay. U.S. Forest Pro. Lab. Tech. Note 229

Post preservation pays. Dow Chemical Co.

Stop fence post rot with Dow wood preservative - a pentachlorophenol concentrate. Dow Chemical Co.

Treating wood in pentachlorophenol solutions by the cold-soaking method. U.S. Forest Pro. Lab. R1145

SELECTED BULLETINS

AGRICULTURAL ECONOMICS

- AGRICULTURAL FINANCE REVIEW. Farm credit, farm insurance, farm taxation, farm construction. Vol. 13. U.S. Bur. of Agr. Econ., 117 p. 1950. 1.9.Bo78af
- AGRICULTURAL PRODUCTION AND FOOD CONSUMPTION IN WESTERN EUROPE. U.S.D.A. Agr. Monog. 10, 66 p. 1951. 1 Ag844m
- BONDURANT, J. H. and CRISWELL, J. E. Economics of the small farm. Ky. Agr. Exp. Sta. Bul. 563, 36 p. 1951. 100 K415
- FACTORS TOWARD STABILITY IN THE GREAT PLAINS. Proceedings of the Great Plains Council, August 2, 3, 4, Laramie, Wyo. 119 p. 1951. 282.9 G7992
- FOOTE, R. J. The statistical analysis of cycles or oscillations in time series. U.S. Bur. of Agr. Econ., 19 p. 1950. 1.941 A22St23
- HAMMOND, W. E. A survey of the present and potential industrial uses of straw with special reference to Nebraska. Neb. Agr. Exp. Sta. Bul. 401, 47 p. 1950. 100 N27b
- HARRIS, M. and HILL, E. B. Family farm-transfer arrangements. Ill. Agr. Col. Ext. Circ. 680, 39 p. 1951. 275.29 I16C
- KOLB, J. H. and DAY, L. J. Interdependence in town and country relations in rural society. Wis. Agr. Exp. Sta. Res. B. 172, 52 p. 1950. 100 W75
- McFARLANE, N. L. and WINRIGHT, G. L. Desert agriculture. Calif. Ext. Serv. Circ. 176, 56 p. 1951. 275.29 C12C
- RAPER, A. F. and RAPER, M. J. Guide to agriculture U.S.A. U.S.D.A. Agr. Infor. Bul. No. 30, 82 p. 1951. 1 Ag844b
- This guide, prepared primarily for foreign visitors, tells about the land and how it is used, the major crops and where they are grown, and the principal livestock products.
- RASMUSSEN, W. D. A history of the emergency farm labor supply program 1943-47. U.S.D.A. Agr. Monog. 13, 298 p. 1951. 1 Ag844m
- THOMPSON, M. O. More \$\$\$\$ for your cotton. N. M. Agr. Ext. Serv. Circ. 233, folder. 1951. 275.29 N463E
- U.S. CONGRESS. JOINT COMMITTEE ON THE ECONOMIC REPORT. Underemployment of rural families. 74 p. 1951

COTTON

- BENNETT, C. A. and GERDES, F. L. Cotton-gin maintenance. U.S.D.A. Leaflet 216, 8 p. Rev. 1951. 1 Ag844L
- FISHER, C. E. and MARION, P. T. Water conservation increases cotton yields. Tex. Agr. Exp. Sta. Prog. Rpt. 1340, 3 p. 1951. 100 T31Pr
- HOLEKAMP, E., THOMAS, W. I., FROST, K. R. Cotton cultivation with tractors. Ariz. Agr. Exp. Sta. Bul. 235, 20 p. 1951. 100 Ar4B

- MILLER, H. F. and others. Mechanical harvesting of cotton in Texas. Tex. Agr. Exp. Sta. Prog. Rpt. 1337, 15 p. 1951. 100 T31Pr
- REYNOLDS, E. B. and ROBERTS, J. E. The effect of legumes and nitrogen on the yields of cotton and corn on Lufkin fine sandy loam at College Station. Tex. Agr. Exp. Sta. Prog. Rpt. 1293, 2 p. 1950. 100 T31Pr
- THOMAS, W. I., HOLEKAMP, E. R. and FROST, K. R. Cotton planting. Ariz. Agr. Exp. Sta. Bul. 233, 17 p. 1951. 100 Ar4B

CROPS

- CONVERSE, C. D. Alfalfa for the Yuma Mesa. U.S.D.A. Circ. No. 879, 11 p. 1951 1 Ag84C
- HARVEY, C. and POTTS, R. C. Crimson clover variety test on lufkin fine sandy loam at College Station, 1949-50. Tex. Agr. Exp. Sta. Prog. Rpt. 1295, 1 p. 1950. 100 T31Pr
- KALENICH, WAYNE. Bibliography on: brush control. Southwest Research Inst. Agricultural Division. Range Management Section. 59 p. n.d. U.B. Woods
- KARPER, R. E., QUINBY, J. R. and KRAMMER, N. W. New varieties of sorghum. Tex. Agr. Exp. Sta. Prog. Rpt. 1367, 6 p. 1951. 100 T31p
- LEUKEL, R. W., MARTIN, J. W. and LEFEBVRE, C. L. Sorghum diseases and their control. U.S.D.A. Farmers' Bul. 1959, 50 p. Rev. 1951. 1 Ag84F
- MADSON, B. A. Winter covercrops. Calif. Agr. Ext. Serv. Circ. 174, 24 p. 1951. 275.29 C12C
- NUCKOLS, S. B. Sugar beet culture in the Northern Great Plains Area. U.S.D.A. Farmers' Bul. 2029, 53 p. 1951. 1 Ag84F
- QUINBY, J. R. and VAN HORN, D. L. Castor beans as a crop in the northern rolling plains area. Tex. Agr. Exp. Sta. Prog. Rpt. 1354, 2 p. 1951. 100 T31Pr
- WEIBEL, R. O. Sunflowers as a seed and oil crop for Illinois. Ill. Agr. Col. Ext. Circ. 681, 16 p. 1951. 275.29 I16Sc (Urbana)

ENTOMOLOGY

- DAHMS, R. G. Preventing greenbug outbreaks. U.S.D.A. Leaflet No. 309, 8 p. 1951. 1 Ag84L
- GAINES, J. C., Sorghum webworm control. Tex. Agr. Exp. Sta. Prog. Rpt. 1291, 2 p. 1950. 100 T31Pr
- POOS, F. W. Control of the garden webworm in alfalfa. U.S.D.A. Leaflet No. 304, 4 p. 1951. 1 Ag84L
- SCHARFF, D. K. Cattle grubs - their biologies, their distribution and experiments in their control. Mont. Agr. Exp. Sta. Bul. 471, 74 p. 1950. 100 M76b
- WEBSTER, R. L. New insecticides: their use, limitations and hazard to human health. Wash. Agr. Exp. Sta. Circ. No. 64, 67 p. Rev. 1951. 100 W27C
- WEIGEL, C. A., FOSTER, A. C. and CARTER, R. H. Effect on truck crops of DDT applied to the foliage. U.S.D.A. Tech. Bul. No. 1034, 20 p. 1951. 1 Ag84Tc
- YUILL, J. S. and EATON, C. B. Airplane spraying for forest pest control. U.S. Bur. of Ent. and Plant Quar. E-823, 21 p. 1951. 1.9 En83

FORESTRY

- BARROWS, J. S. Fire behavior in northern Rocky Mountain Forests. U.S. Northern Rocky Mt. For & Range Exp. Sta. Station paper No. 29, 103 p. 1951. 1.9622 N3St1

- DUNCAN, D. P. revised by COLLINS, P. E. Windbreaks for Kansas. Kansas Ext. Serv. Leaflet 9, folder. 1951. 275.29 K13Lc.
- FRANK, B. Watershed forestry to safeguard our soil, water, and timber. U. S. Central States For. Exp. Sta. Tech. Paper No. 119, 7 p. 1951. 1.9622 C3T222
- JENSEN, V. S. and WILSON, R. W., JR. Growing of northern hardwood reproduction not profitable. U.S. Northeastern For. Exp. Sta. Northeastern research notes No. 3, 4 p. 1951. 1.9622 N2N82
- LITTLE, E. L., JR. Key to southwestern trees. U.S. Southwestern For. & Range Exp. Sta. Research Rpt. 8, 28 p. 1951. 1.9622 S3R31
- MEAGHER, GEORGE. Service record of wood posts in the Southwest (A progress report). U.S. Southwestern For. & Range Exp. Sta. Research note 120, 6 p. 1951. 1.9 F7621R
- MIGNERY, A. L. Use of low-altitude continuous-strip aerial photography in forestry. U.S. Southern For. Exp. Sta. Occ. Paper 118, 19 p. 1951. 1.9 F76240
- ROE, A. L. Growth tables for selectively-cut ponderosa pine in western Montana. U.S. Northern Rocky Mt. For. & Range Exp. Sta. Sta. Paper No. 32, 16 p. 1951. 1.9622 N3St1
- U.S. FOREST SERVICE. Tree-planting machines. 1951. 10 p. 1.962 A2T712
- WILSON, A. K. Results of cutting overmature ponderosa pine in southern Idaho. U.S. Intermountain For. & Range Exp. Sta. Research Paper 28, 7 p. 1951. 1.9622 I2R31
- WRIGHT, J. W. Tree-breeding technique: some effects of continuous bagging. U.S. Northeastern For. Exp. Sta. Northeastern Research Notes No. 5, 4 p. 1951. 1.9622 N2N82

RANGE & PASTURE

- BUCKINGHAM, M. and POTTS, R. C. Crops for silage and forage at Mt. Pleasant, 1950. Tex. Agr. Exp. Sta. Prog. Rpt. 1344, 1 p. 1951. 100 f31Pr
- DAVIS, R. B., JR., SCHOENLEBER, L. G. and CAMPBELL, L. E. Drying forage for forced ventilization. U.S.D.A. Farmers' Bul. No. 2028, 22 p. 1951 1 Ag84F
- HARRIS, G. A. A selected bibliography of range management literature published in 1950. Vol. 1, No. 5, 20 p. U.S. Northern Rocky Mt. For. & Range Exp. Sta. 1951. 1.9622 N2S4
- HOWARD, F. L., ROWELL, J. B. and KEIL, H. L. Fungus diseases of turf grasses. Rhode Island Agr. Exp. Sta. Bul. 308, 56 p. 1951. 100 R34Sb
- JACKOBS, J. A. and STANBERRY, C. O. Irrigated pastures in central Washington. Wash. Agr. Exp. Sta. Circ. No. 107, 5 p. 1950. 100 W27C
- REPORT OF SPECIES AND STRAINS OF GRASSES DISTRIBUTED THROUGH WESTERN GRASS BREEDERS WORK PLANNING CONFERENCE 1949. Beltsville, Md., U.S. Bur. of Plant Ind., Soils and Agr. Eng., 1950. 18 p. 1.965 F2R29

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